Sustainable Interior and Exterior Lighting Design

Toledo, OH - Thursday, March 26, 2020

Learning Objectives

You’ll be able to:

Explore the aesthetics and sustainability of incandescent, fluorescent, LED and other light sources.

Understand the purposes of exterior lighting, including security and safety.

Discuss exterior and interior lighting codes, standards, and sustainability measures.

Improve occupant comfort with ambient and task lighting.

Consider the economic and environmental benefits of daylighting.

Evaluate commercial and residential lighting solution case studies.

Presented by Laurie Gross and Mary Beth Gotti

Lighting Fundamentals
- The physics of light
- Visible light and light perception
- Brightness and color
- The aesthetics and sustainability of incandescent, fluorescent, LED and other light sources
- Software and other design assistance
- What does sustainable mean? Does it mean more recycled materials in the products, does it mean American made?

Sustainable Exterior Lighting
- Purposes of exterior lighting
- Dark sky compliance
- Codes, standards and sustainability measures
- Creating focus, perspective and depth
- Exterior lights, fixtures and controls
- Case studies

Interior Lighting for Energy Efficiency, Occupant Comfort, and Sustainable Interior Lighting
- Desired lighting characteristics
  - Lamps
  - Luminaires
  - Lighting controls
- Case studies: lighting solutions for commercial and residential applications
- Purposes of interior lighting
- Codes, standards and sustainability measures
- Interior lighting design: daylighting
  - Principles and benefits
  - New and existing construction
  - New technologies and case studies

Consider the physics of light, the spectrum of visible light, and light perception

Explore the sustainability of incandescent, fluorescent and LED lighting

Professional Engineers
6.5 PDHs

Architects
6.5 HSW Continuing Ed. Hours
6.5 AIA LU|HSW

Create sustainable exterior lighting that is dark sky compliant

Design interior lighting for energy efficiency and occupant comfort

Continuing Education Credits

Contractors
Non-Credit Continuing Ed.
Seminar Information

Radisson Hotel at The University of Toledo Medical Center
3100 Glenwood Avenue
Toledo, OH 43614
(419) 381-6800

Registration
8:00 - 8:30 am
Morning Session 8:30 - 11:45 am
Lunch (on your own) 11:45 am - 12:45 pm
Afternoon Session 12:45 - 4:30 pm

Tuition
$299 for individual registration
$279 for three or more registrations.

Included with your registration: Complimentary continental breakfast and printed seminar manual

Receive a reduced tuition rate of $101 by registering to be our on-site coordinator for the day. For availability and job description, please visit www.halfmoonseminars.org

How to Register
• Visit us online at www.halfmoonseminars.org
• Mail-in or fax the attached form to 715-835-6066
• Call customer service at 715-835-5900

Cancellations: Cancel at least 48 hours before the start of the seminar, and receive a full tuition refund; minus a $59 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another seminar or the self-study package. You may also send another person to take your place.

Continuing Education Credit Information
This seminar is open to the public and offers 6.5 PDHs to professional engineers and 6.5 HSW continuing education hours to architects in all states. Educators and courses are not subject to preapproval in Ohio.

This American Institute of Architects Continuing Education System has approved this course for 6.5 LU|HSW (Sponsor No. J883). Visit www.halfmoonseminars.org for complete AIA|CES information under this course listing. Only full attendance is reportable to the AIA|CES.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 26GP00030700), North Carolina, and North Dakota. HalfMoon Education is deemed an approved continuing education sponsor for New York engineers and architects.

This course offers a non-credit continuing education opportunity to contractors. It has not been approved by any state contractor licensing entity for licensing maintenance. Attendance will be monitored and attendance certificates will be available after the seminar for most individuals who complete the entire event. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.

Additional Learning

Webinar Series
Foundations in Cold Regions • Introduction to Foundations in Cold Regions Thurs., Feb. 20, 2020, 11:00 AM - 12:30 PM CST
AIA/CES Webinar

Sophisticated Design for Climate Resilience
Thurs., Feb. 27, 2020, 11:00 AM - 2:30 PM CST
AIA/CES Webinar

Shallow Foundation Design in Cold Regions Fri., Feb. 21, 2020, 11:00 AM - 12:30 PM CST
AIA/CES Webinar

Deep Foundation Design in Cold Regions Fri., Feb. 21, 2020, 1:00 - 2:30 PM CST
AIA/CES Webinar

Foundation Construction in Cold Regions Fri., Feb. 21, 2020, 2:45 - 4:15 PM CST
AIA/CES Webinar

Soil Mechanics and Slope Stability

Soil Investigation and Classification Tues., Feb. 25, 2020, 11:00 AM - 1:00 PM CST
AIA/CES Webinar

Reviewing Hydraulic and Mechanical Properties of Soils Tues., Feb. 25, 2020, 1:30 - 3:00 PM CST
AIA/CES Webinar

Determining and Increasing Bearing Capacity Wed., Feb. 26, 2020, 11:00 AM - 1:00 PM CST
AIA/CES Webinar

Determining and Increasing Slope Stability Wed., Feb. 26, 2020, 1:30 - 3:00 PM CST
AIA/CES Webinar

Designing for Climate Resilience
Current and Anticipated Climate Effects on Structures and Communities Thurs., Feb. 27, 2020, 11:00 AM - 12:30 PM CST
AIA/CES Webinar

Assessing the Impact of Sea Level Rise, Changing Temperature and Changing Weather Patterns Thurs., Feb. 27, 2020, 1:00 - 2:30 PM CST
AIA/CES Webinar

Studying the Impact of Extreme Weather
Events on Structures and Communities Fri., Feb. 28, 2020, 11:00 AM - 12:30 PM CST
AIA/CES Webinar

Adapting Sites, Outdoor Spaces, New Construction and Existing Buildings to Withstand Extreme Weather Events Fri., Feb. 28, 2020, 1:00 - 3:00 PM CST
AIA/CES Webinar

For more information and other online learning opportunities visit: www.halfmoonseminars.org/webinars
Can’t Attend? Order the Manual and Audio from the Live Seminar as a Self-Study Package! A full recording of this seminar is available starting at $279.

Additional Learning Overview
• Soil Mechanics and Slope Stability
• Designing for Climate Resilience
• Foundations in Cold Regions

Registration
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How to Register
Online:
www.halfmoonseminars.org

Tuition
I am not attending. $299.00

Registrant Information
Name:
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Checks: Make payable to HalfMoon Education Inc.
Credit Card: Mastercard, Visa, American Express, or Discover
Credit Card Number:
Expiration Date: CVV2 Code:
Billing Address:
City: State: Zip:
Signatures:

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Laurie Gross • President of Gross Electric
Ms. Gross is president of Gross Electric, a 109-year-old lighting and electrical distributor in Toledo, Ohio, and Ann Arbor, Michigan. She has worked in lighting design for over 40 years, specializing in high-end residential homes and commercial projects such as restaurants, art galleries, retail stores and churches. She has BA and MBA degrees from the University of Michigan and serves on the education committee and Board of Directors of the American Lighting Association. She is also an American Lighting Association certified lighting consultant.

Mary Beth Gotti • Independent Lighting Consultant
Ms. Gotti was the manager of the GE Lighting Institute in Cleveland, Ohio. She was responsible for the overall operation and curriculum development for this training and education center, which hosted over 4,000 visitors a year. She worked in the lighting business of GE for almost 40 years. She held a number of positions in lamp technology and marketing, including lamp development engineer for incandescent and metal halide lamps, research physicist, senior product and application specialist, and manager of lighting education. She has BS and MS degrees in Physics and an MBA degree from John Carroll University in Cleveland, Ohio. Ms. Gotti served on the Board of Directors of the IES for five years, and on the executive committee of the National Lighting Bureau. She is lighting certified (LC) by NCQLP (National Council on Qualifications for the Lighting Professions). Ms. Gotti is currently an independent lighting consultant.

Here’s what past attendees had to say about the program and presenters Laurie Gross and Mary Beth Gotti:
• “Laurie and Mary Beth were a great team between presentation and products. Great day. We hope to see them again.” — Engineer
• “Great job . . . . One of the better classes I’ve taken.” — Architect
• “Very knowledgeable.” — Architect
• “Independent Lighting Consultant. She is lighting certified (LC) by NCQLP (National Council on Qualifications for the Lighting Professions). Ms. Gotti served on the Board of Directors of the IES for five years, and on the executive committee of the National Lighting Bureau. She is lighting certified (LC) by NCQLP (National Council on Qualifications for the Lighting Professions). Ms. Gross is currently an independent lighting consultant.

Additional Learning

• Macroclimate and Microclimate
• Current and Anticipated Climate Effects on Structures and Communities

• Deep Foundation Design in Cold Regions
• Soil Mechanics and Slope Stability

• Designing for Climate Resilience
• Current and Anticipated Climate Effects on Structures and Communities

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• Soil Investigation and Classification Tues., Feb. 25, 2020, 11:00 AM - 1:00 PM CST
AIA/CES Webinar

• Setting Earthwork考虑在Ohio

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Checks: Make payable to HalfMoon Education Inc.
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Signatures:

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